

FIG. 1

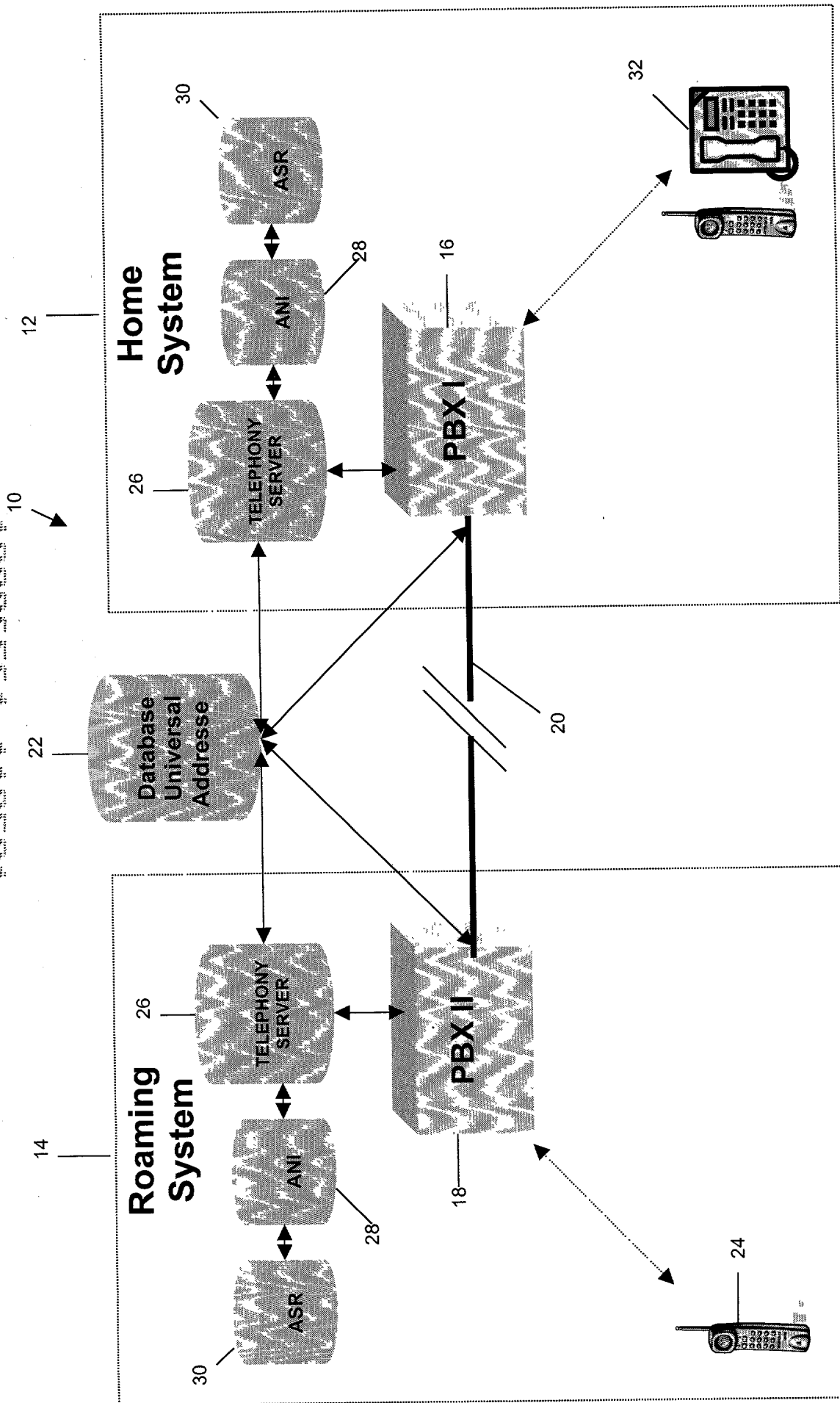


FIG1.

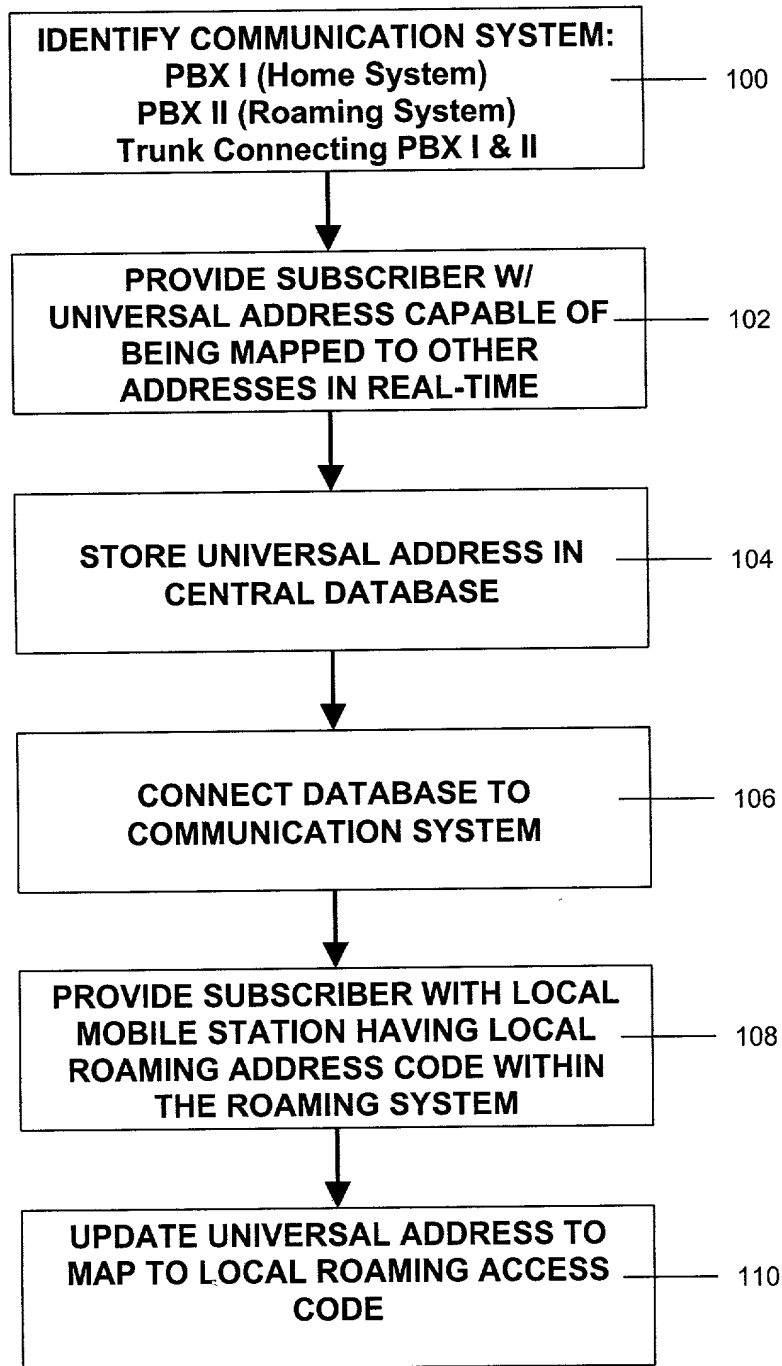


FIG. 2

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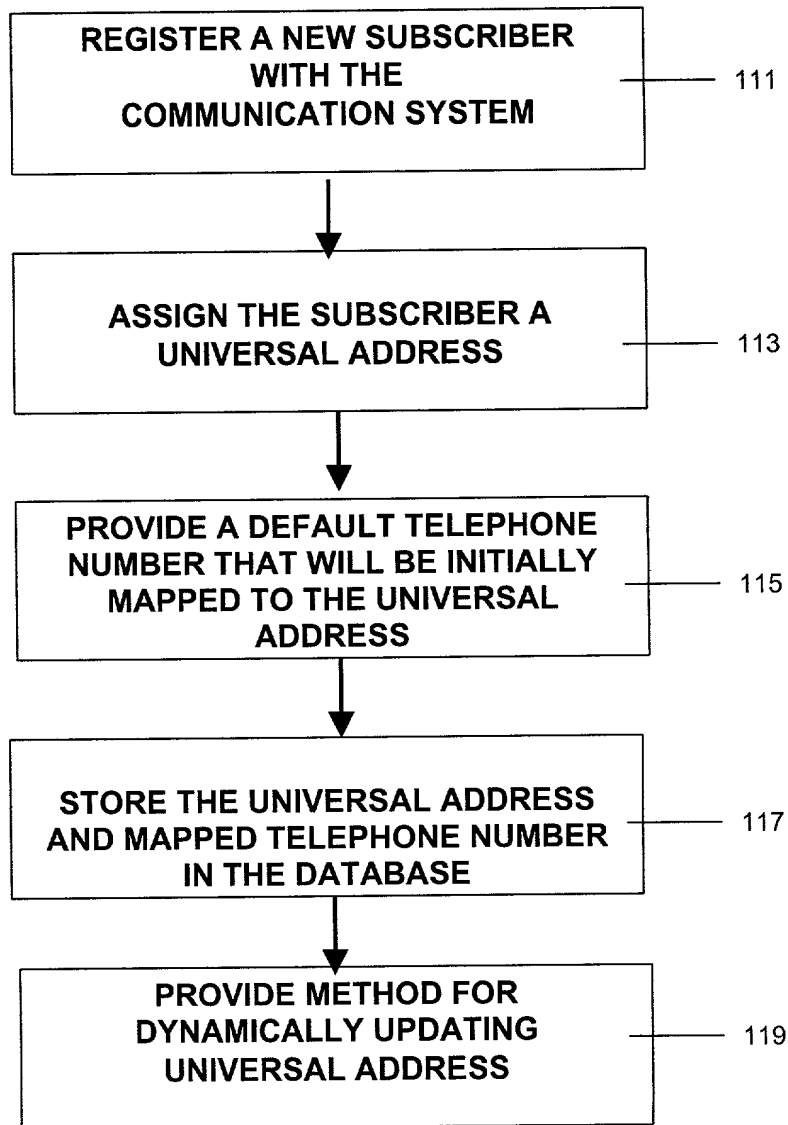


FIG. 3A

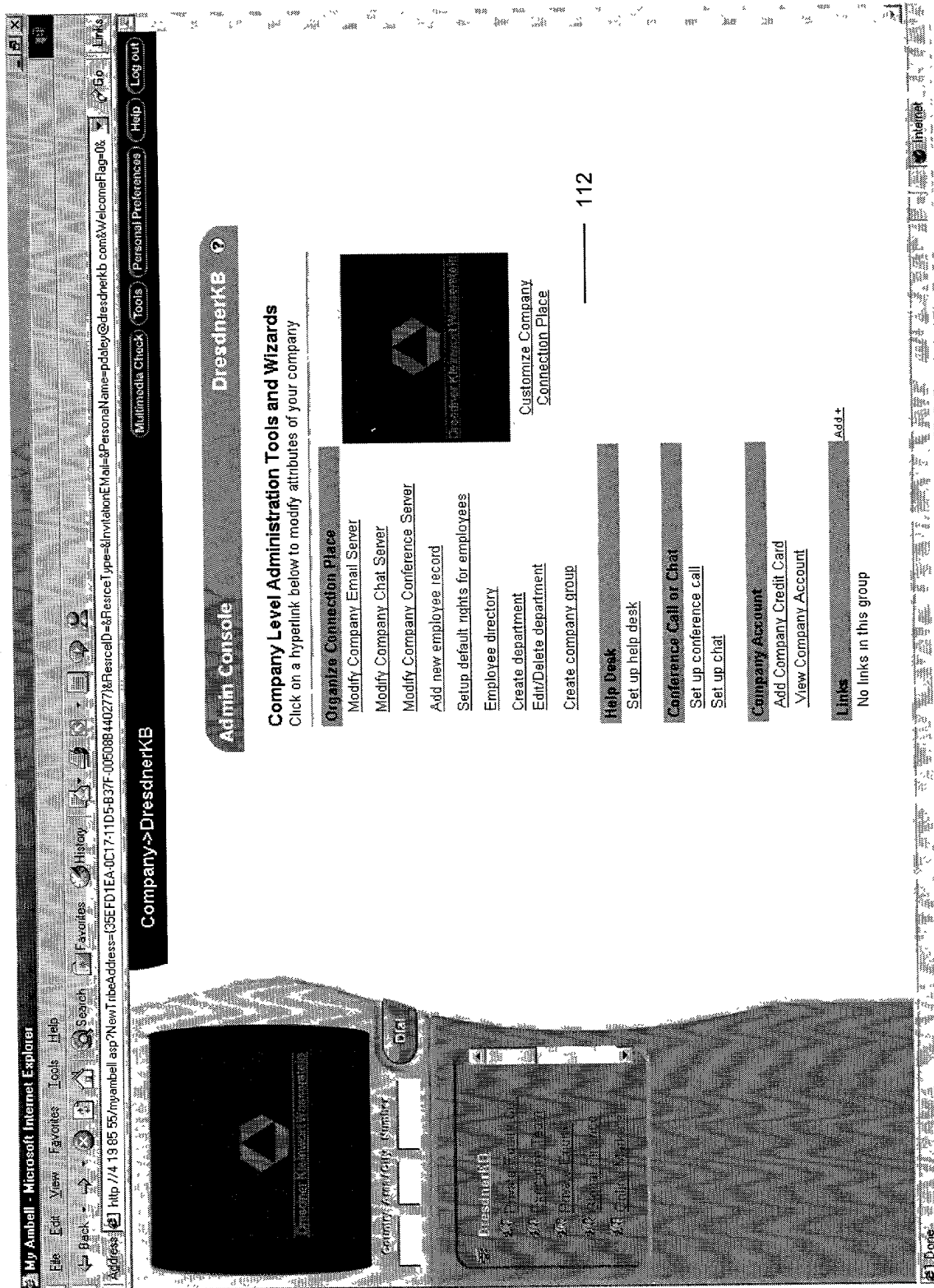


FIG. 3B



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graph TD; 120[PROVIDE AN AIN SYSTEM CONNECTED TO LOCAL MOBILE STATION AND DATABASE] --> 122[PROMPT SUBSCRIBER TO CALL AIN SYSTEM USING LOCAL MOBILE STATION]; 122 --> 124[IDENTIFY SUBSCRIBER]; 124 --> 126[IDENTIFY LOCAL ROAMING ADDRESS CODE USING AIN SYSTEM]; 126 --> 128[AUTOMATICALLY UPDATE SUBSCRIBER'S UNIVERSAL ADDRESS W/ DATABASE TO MAP TO LOCAL ROAMING ADDRESS CODE];
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The flowchart illustrates a five-step process for mapping local roaming address codes. It begins with step 120: 'PROVIDE AN AIN SYSTEM CONNECTED TO LOCAL MOBILE STATION AND DATABASE'. This leads to step 122: 'PROMPT SUBSCRIBER TO CALL AIN SYSTEM USING LOCAL MOBILE STATION'. Step 122 leads to step 124: 'IDENTIFY SUBSCRIBER'. Step 124 leads to step 126: 'IDENTIFY LOCAL ROAMING ADDRESS CODE USING AIN SYSTEM'. Finally, step 126 leads to step 128: 'AUTOMATICALLY UPDATE SUBSCRIBER'S UNIVERSAL ADDRESS W/ DATABASE TO MAP TO LOCAL ROAMING ADDRESS CODE'.

FIG. 4

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graph TD; 130[CALLER CONNECTS TO HOME PBX THROUGH COMMUNICATION SYSTEM] --> 132[MAP UNIVERSAL ADDRESS TO LOCAL ROAMING ADDRESS]; 132 --> 134[IDENTIFY ROAMING PBX AND LEAST-COST PATH]; 134 --> 136[ROUTE CALL THROUGH LEAST-COST PATH TO ROAMING PBX]; 136 --> 138[INITIATE LOCAL CALL FROM ROAMING PBX TO LOCAL ROAMING ADDRESS CODE];
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130 CALLER CONNECTS TO HOME PBX THROUGH COMMUNICATION SYSTEM

132 MAP UNIVERSAL ADDRESS TO LOCAL ROAMING ADDRESS

134 IDENTIFY ROAMING PBX AND LEAST-COST PATH

136 ROUTE CALL THROUGH LEAST-COST PATH TO ROAMING PBX

138 INITIATE LOCAL CALL FROM ROAMING PBX TO LOCAL ROAMING ADDRESS CODE

FIG. 5

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graph TD; 140[SUBSCRIBER CONNECTS TO ROAMING PBX THROUGH COMMUNICATION SYSTEM] --> 142[INDICATE LOCAL HOME ADDRESS CODE]; 142 --> 144[IDENTIFY HOME PBX AND LEAST-COST PATH]; 144 --> 146[ROUTE CALL THROUGH LEAST-COST PATH TO HOME PBX]; 146 --> 148[INITIATE LOCAL CALL FROM ROAMING PBX TO LOCAL ROAMING ADDRESS CODE];
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140 SUBSCRIBER CONNECTS TO ROAMING PBX THROUGH COMMUNICATION SYSTEM

142 INDICATE LOCAL HOME ADDRESS CODE

144 IDENTIFY HOME PBX AND LEAST-COST PATH

146 ROUTE CALL THROUGH LEAST-COST PATH TO HOME PBX

148 INITIATE LOCAL CALL FROM ROAMING PBX TO LOCAL ROAMING ADDRESS CODE

FIG. 6